

IN THE CLAIMS:

Please cancel Claims 1 to 13 without prejudice or disclaimer of subject matter contained therein, and add new Claims 14 to 24 as set forth below.

1 to 13. (Cancelled).

14. (New) An isolated polynucleotide selected from the group consisting of (a)-(I):

(a) a polynucleotide comprising the nucleotide sequence of SEQ ID NO:29;

(b) a polynucleotide comprising the nucleotide sequence of SEQ ID NO:29 from nucleotide 629 to nucleotide 2338;

(c) a polynucleotide comprising the nucleotide sequence of the full-length protein coding sequence of clone pp314_19 deposited under accession number ATCC 98835;

(d) a polynucleotide encoding the full-length protein encoded by the cDNA insert of clone pp314_19 deposited under accession number ATCC 98835;

(e) a polynucleotide comprising the nucleotide sequence of a mature protein coding sequence of clone pp314_19 deposited under accession number ATCC 98835;

(f) a polynucleotide encoding a mature protein encoded by the cDNA insert of pp314_19 deposited under accession number ATCC 98835;

(g) a polynucleotide encoding a protein comprising the amino acid sequence of SEQ ID NO:30;

(h) a polynucleotide encoding a protein comprising a fragment of the amino acid sequence of SEQ ID NO:30 having biological activity, the fragment comprising eight contiguous amino acids of SEQ ID NO:30;

(i) a polynucleotide which is an allelic variant of any one of the polynucleotides of (a)-(f);

(j) a polynucleotide which encodes a species homologue of the protein of (g) or (h);

(k) a polynucleotide which hybridizes under stringent conditions to any one of the polynucleotides of (a)-(h); and

(l) a polynucleotide which hybridizes under stringent conditions to any one of the polynucleotides of (a)-(h) and has a length that is at least 25% of the length of SEQ ID NO:29.

15. (New) The polynucleotide of claim 14, wherein the polynucleotide is operably linked to at least one expression control sequence.

16. (New) A host cell transformed with the polynucleotide of claim 15.

17. (New) The host cell of claim 16, wherein the cell is a mammalian cell.

18. (New) A process for producing a protein encoded by the polynucleotide of claim 15, which comprises:

(a) growing a culture of the host cell in a suitable culture medium,
wherein the host cell has been transformed with the polynucleotide of claim 15; and

(b) recovering the protein from the culture.

19. (New) A protein produced according to the process of claim 18.

20. (New) An isolated polynucleotide encoding the protein of claim 19.

21. (New) The polynucleotide of claim 20, wherein the polynucleotide comprises the cDNA insert of clone pp314_19 deposited under accession number ATCC 98835.

22. (New) A protein comprising an amino acid sequence selected from the group consisting of:

(a) the amino acid sequence of SEQ ID NO:30;

(b) a fragment of the amino acid sequence of SEQ ID NO:30, the fragment comprising eight contiguous amino acids of SEQ ID NO:30; and

(c) the amino acid sequence encoded by the cDNA insert of pp314_19 deposited under accession number ATCC 98835, the protein being substantially from other mammalian proteins.

23. (New) The protein of claim 22, wherein the protein comprises the amino acid sequence of SEQ ID NO:30.

24. (New) A composition comprising the protein of claim 3224 and a pharmaceutically acceptable carrier.